

Pax-5 Polyclonal Antibody
Catalog # AP73495**Specification**

Pax-5 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q02548
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

Pax-5 Polyclonal Antibody - Additional Information**Gene ID** 5079**Other Names**

PAX5; Paired box protein Pax-5; B-cell-specific transcription factor; BSAP

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Pax-5 Polyclonal Antibody - Protein Information**Name** PAX5**Function**

Transcription factor that plays an essential role in commitment of lymphoid progenitors to the B-lymphocyte lineage (PubMed:10811620, PubMed:27181361). Fulfills a dual role by repressing B-lineage inappropriate genes and simultaneously activating B-lineage- specific genes (PubMed:10811620, PubMed:27181361). In turn, regulates cell adhesion and migration, induces V(H)-to-D(H)J(H) recombination, facilitates pre-B-cell receptor signaling and promotes development to the mature B-cell stage (PubMed:32612238). Repression of the cohesin- release factor WAPL causes global changes of the chromosomal architecture in pro-B cells to facilitate the generation of a diverse antibody repertoire (PubMed:32612238).

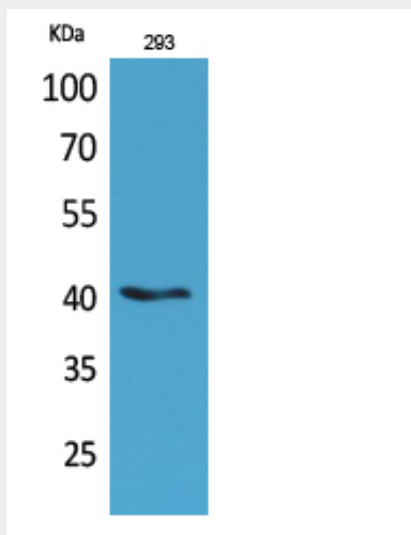
Cellular Location

Nucleus.

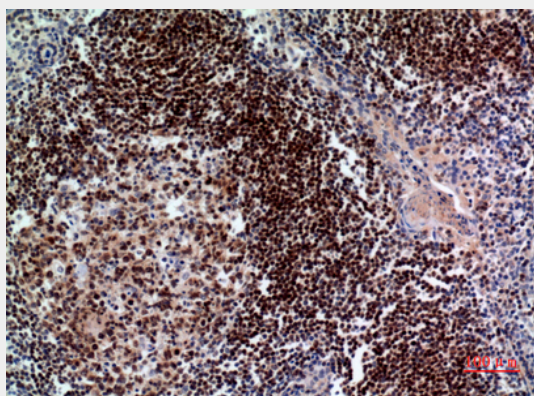
Pax-5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

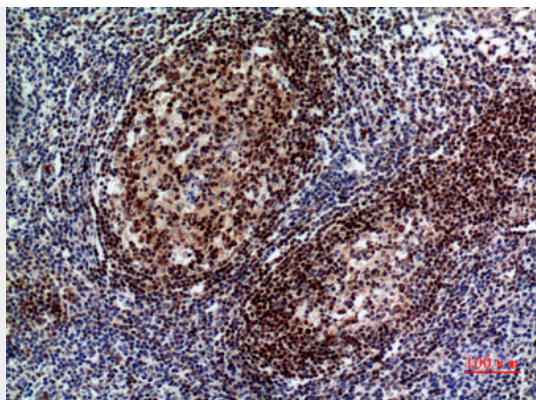
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Pax-5 Polyclonal Antibody - Images

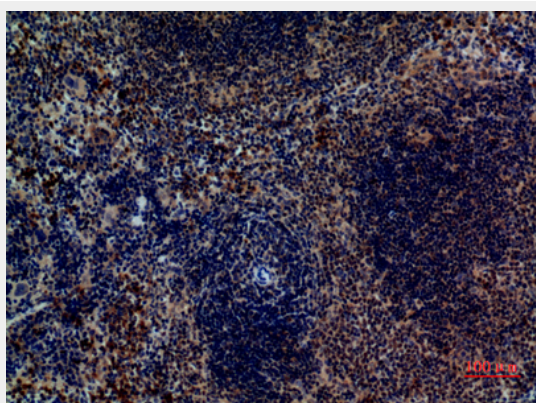
Western Blot analysis of 293 cells using Pax-5 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



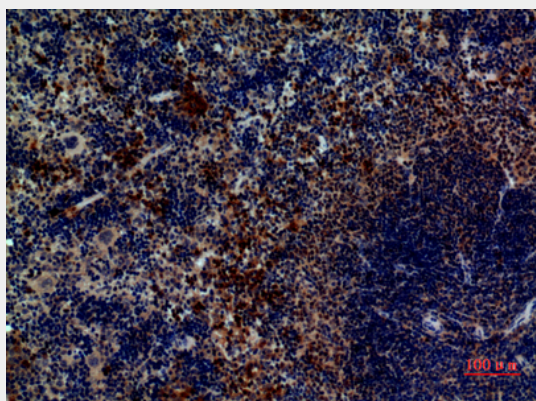
Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:100



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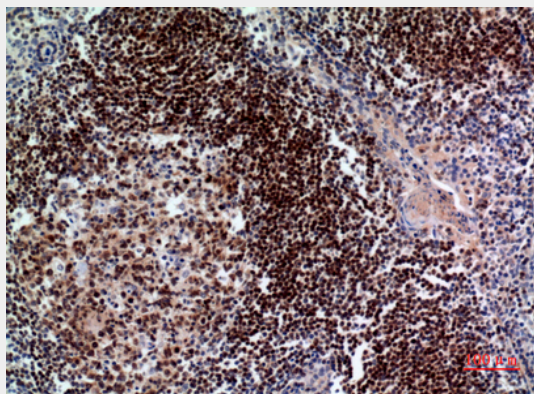
Immunohistochemical analysis of paraffin-embedded mouse-spleen, antibody was diluted at 1:100



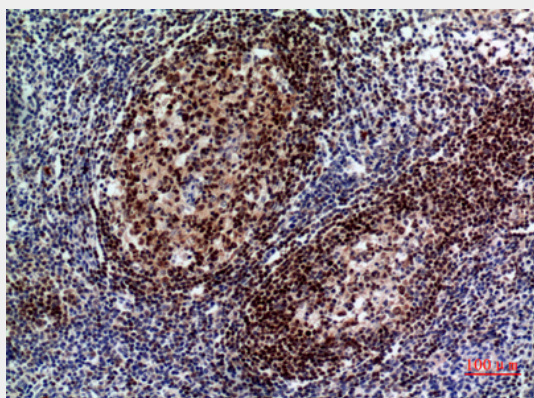
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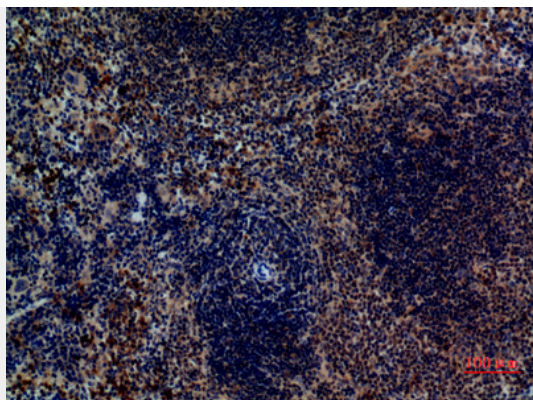
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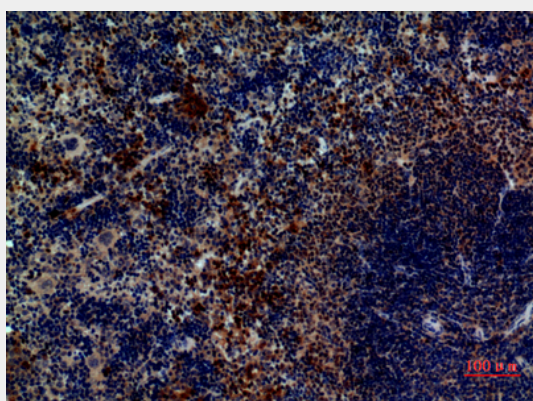
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Pax-5 Polyclonal Antibody - Background

May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.